

ABSTRACT OF THE DISCLOSURE

A dealuminized catalyst carrier, a method for producing a catalyst carrier having a lower aluminum content on the basis of naturally occurring sheet silicates, such as montmorillonite, and to a method for hydrating C_2 or C_3 olefins which uses the catalyst carrier having a lower aluminum content. For the acid-catalyzed hydration reaction the carrier is saturated with phosphoric acid. The improvement the invention provides for in comparison with known hydration methods is characterized in that the carrier is no longer subject to aluminum leaching in the presence of phosphoric acid. As a result, there is no further risk of aluminum phosphate blockages occurring in the apparatus positioned downstream of the reaction.